

Appln. No. 09/868,490
Amdt. dated December 8, 2004
Reply to Office Action of October 18, 2004

Amendments to the Claims:

Please amend claims 1, 4 and 5 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended). A modulation signal analysis apparatus comprising:

a frequency converter for converting a frequency of a modulation signal inputted from ~~the~~ outside to an intermediate
5 frequency;

a resolution bandwidth (RBW) ~~an RBW~~ filter for receiving the modulation signal outputted from said frequency converter and limiting a frequency component with a bandwidth determined by a designated resolution;

10 a level converter for converting the modulation signal having a band limited by said RBW filter to a digital level signal to perform frequency analysis;

a signal selection circuit for selecting either one modulation signal from the modulation signal before having the

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- 15 band limited by said RBW filter ~~and~~ or the modulation signal
after having the band limited by said RBW filter;
an A/D converter for receiving the modulation signal
selected by said signal selection circuit and converting the
modulation signal to a digital signal;
- 20 an operation input section for ~~operating/inputting~~ operating
and inputting outside a frequency analysis instruction for said
modulation signal, a modulation analysis instruction for said
modulation signal, and a modulation type of said modulation
signal;
- 25 an analysis operation section for using the digital signal
converted by said A/D converter and performing frequency analysis
for said modulation signal and modulation analysis for the
modulation signal selected by the signal selection circuit in
order to ~~modulate/analyze~~ modulate and analyze a level signal
30 outputted from said level converter; and
a controller for instructing said analysis operation section
to execute the analysis instruction ~~operated/inputted~~ operated
and inputted via said operation input section, sending a
selection instruction to said signal selection circuit in
35 accordance with the modulation type of the ~~operated/inputted~~
operated and inputted modulation signal, and setting the

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bandwidth of said RBW filter in accordance with the modulation
type of said modulation signal when the modulation signal having
the band limited by said RBW filter is selected as the modulation
40 signal inputted to said A/D converter, and the modulation
analysis instruction for said modulation signal is inputted to
said operation input section.

Claim 2 (Original). The modulation signal analysis
apparatus according to claim 1, wherein said controller sends the
selection instruction of the modulation signal having the band
limited by said RBW filter to said signal selection circuit when
5 the modulation type with a narrow use bandwidth is inputted from
said operation input section.

Claim 3 (Original). The modulation signal analysis
apparatus according to claim 1, wherein said controller sends the
selection instruction of the modulation signal before subjected
to the band limitation by said RBW filter to said signal
5 selection circuit when the modulation type with a broad use
bandwidth is inputted from said operation input section.

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Claim 4 (currently Amended). The modulation signal analysis apparatus according to claim 2, wherein a Personal Digital Cellular (PDC) ~~PDE~~ or Personal Handyphone System (PHS) ~~PHS~~ signal is inputted as the modulation type with the narrow use bandwidth
5 to said controller from said operation input section.

Claim 5 (Currently Amended). The modulation signal analysis apparatus according to claim 3, wherein a Code Division Multiple Access (CDMA) ~~CDMA~~ or Wideband Code Division Multiple Access (W-CDMA) ~~W-CDMA~~ signal is inputted as the modulation type with the
5 broad use bandwidth to said controller from said operation input section.

Claim 6 (Original). The modulation signal analysis apparatus according to claim 1, wherein said controller comprises:

a modulation type setting section for sending the selection
5 instruction to said signal selection circuit in accordance with the modulation type inputted from said operation input section;
and

a measurement item setting section for sending an execution instruction for calculating a property corresponding to a

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- 10 measurement item to said analysis operation section when the
measurement item is inputted from said operation input section.

Claim 7 (Original). The modulation signal analysis
apparatus according to claim 1, wherein said operation input
section comprises:

- a measurement item selection button for selecting a desired
5 measurement item when a desired measurement is executed in
response to said modulation signal inputted from the outside; and

a modulation type selection button for selecting the
modulation type of said modulation signal inputted from the
outside.

Claim 8 (Original). The modulation signal analysis
apparatus according to claim 7, wherein said modulation type
selection button comprises:

- a PDC selection button;
5 a PHS selection button;
a CDMA selection button; and
a W-CDMA selection button.

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Claim 9 (Original). The modulation signal analysis apparatus according to claim 1, wherein said analysis operation section comprises:

- a transmission power property calculator;
- 5 an adjacent channel leak power calculator; and
- a spurious property calculator for performing frequency analysis.

Claim 10 (Original). The modulation signal analysis apparatus according to claim 1, wherein said analysis operation section comprises:

- a modulation factor calculator; and
- 5 a modulation precision calculator for performing the modulation analysis.